HOME OWNER / INSTALLER
FOR YOUR SAFETY
THIS MANUAL MUST BE READ IN ITS ENTIRETY BEFORE OPERATING HEATER

IB35RBN/US
IB35RBL/US
Gas Radiant Space Heater
Owners Operation and Installation Manual

WARNING: If the information in these instructions are not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

Installation and service must be performed by a qualified installer, service agency or the gas supplier.

Rinnai

This heater has been designed to code ANSI Z 21.88a-2000 effective 7-1-2002

This appliance is only for use with the type of gas indicated on the rating plate.

This appliance is not convertible for use with other gases.

INSTALLER: MUST LEAVE THIS MANUAL WITH THE UNIT AFTER INSTALLATION
OWNER: RETAIN THIS MANUAL SAFELY, FOR FUTURE REFERENCE

LIMITED WARRANTY
RINNAI FIREPLACE HEATER

WHAT IS COVERED?

This Warranty covers any defects in materials or workmanship, subject to the terms stated below. This Warranty extends to the original purchaser and subsequent transferees, but only while the product remains at the site of the original installation. This Warranty only extends through the first installation of the product and terminates if the product is moved or reinstalled at a new location.

HOW LONG DOES COVERAGE LAST?

Item	Period of Coverage
All Parts and Components	*2 Years from Date of Purchase*

WHAT WILL RINNAI DO?

Rinnai will repair or replace the product or any part or component that is defective in materials or workmanship, except as set forth as follows. Rinnai will pay reasonable shipping costs, provided you obtain prior authorization from an Authorized Rinnai Distributor. Rinnai will not pay labor charges associated with the repair or replacement of the product or any part or component. All repair parts must be genuine Rinnai parts. All repairs or replacements must be performed by an individual or servicing company that has been authorized by Rinnai or its distributor.

Replacement of the product or replacement of the heat exchanger may be authorized by Rinnai only. Rinnai does not authorize any person or company to assume for it any obligation or liability in connection with the replacement of a product or heat exchanger. If Rinnai determines that repair of a product is not possible, Rinnai will replace the product with a comparable product, at Rinnai's discretion.

HOW DO I GET SERVICE?

You must contact an Authorized Distributor or Installer for the repair of a defective product under this Warranty. Failure to contact an Authorized Distributor or Installer will void the Warranty. For the name of the Authorized Distributor or Installer nearest you, please contact your local HVAC dealer or gas service technician, visit the Rinnai website (www.rinnai.us), call Rinnai at 1-800-621-9419 or write to Rinnai, 103 International Drive, Peachtree City, Georgia 30269.

Proof of purchase is required. You can show proof of purchase with a dated sales receipt, or by completing and mailing the enclosed Warranty registration card within 30 days of purchasing the product. Please complete the enclosed Warranty registration card and mail it to Rinnai at the address shown on the card. Receipt of this card by Rinnai will constitute proof-of-purchase for this product. However, return of this Warranty registration card is not necessary in order to validate this Warranty.

WHAT IS NOT COVERED?

This Warranty does not cover any failures or operating difficulties due to accident, abuse, misuse, alteration, misapplication, force majeure, improper installation, improper maintenance or service, or for any other causes other than defects in materials or workmanship. This warranty does not apply to any product whose serial number or manufacture date has been defaced.

Rinnai is not liable for any special, incidental, indirect or consequential damages that may arise, including damage to person or property, loss of use, or inconvenience. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.

LIMITATION ON IMPLIED WARRANTIES

Any implied warranties of merchantability and fitness arising under state law are limited in duration to the period of coverage provided by this limited Warranty, unless the period provided by state law is less. Some states do not allow limitations on how long an implied Warranty lasts, so the above limitation may not apply to you.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

WARNING

IMPROPER INSTALLATION, ADJUSTMENT, ALTERATION, SERVICE OR MAINTENANCE CAN CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE.

INSTALLATION AND SERVICE MUST BE PERFORMED BY A QUALIFIED INSTALLER, SERVICE AGENCY OR THE GAS SUPPLIER.

This manual applies to the following models only:
IB35RBN/US
IB35RBL/US

Inbuilt Fire

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CONTACTS

Rinnai

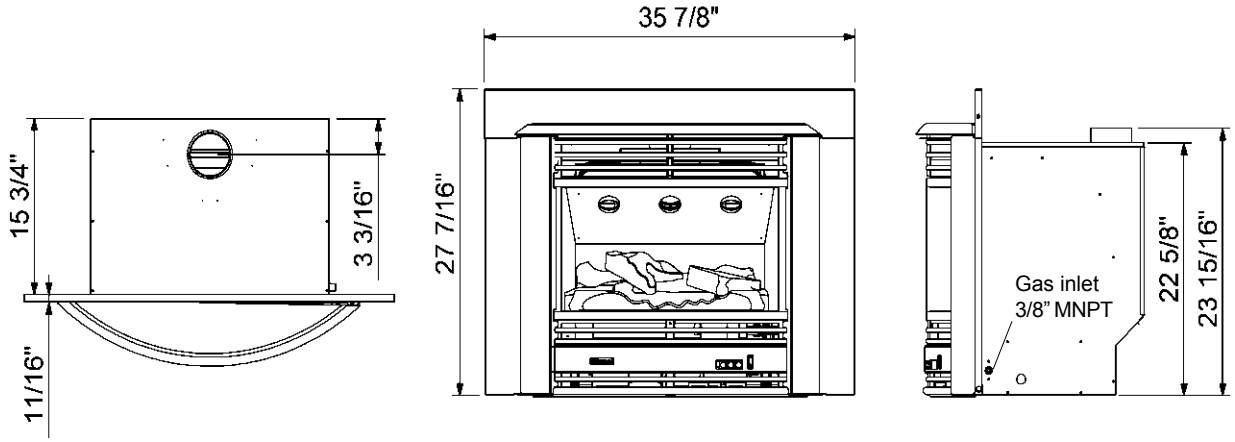
America Corporation
103 International Drive
Peachtree City
Georgia 30269

1-800-621-9419
www.rinnai.us

SPECIFICATIONS

Model:	IB35RBN/US (NG) United States IB35RBL/US (Propane) United States
Description:	Inbuilt radiant/convector, glass-fronted, ceramic log space heater with fan forced convection and natural draft flue system
Output:	26,000 Btu/hr Natural Gas 23,000 Btu/hr Propane
Gas Control:	Push button combination control valve
Burners:	Ember bed, flame and heat burner
Warm Air Discharge:	Top front louvres
Flue:	Natural draft. Approved B vent system
Ignition:	Electronic spark
Power Supply:	115v. 60Hz
Rating Plate Location:	Bottom right hand side door, inside
Weight:	119 lb

DIMENSIONS



IMPORTANT POINTS / USAGE AND INSTALLATION MUSTS

Unpack the heater and check for damage (DO NOT INSTALL DAMAGED HEATER). If the heater is damaged, contact your supplier for advice. Before installing the heater, check the label for the correct gas type (see rating plate, bottom right hand side of pillar). Refer to local gas authority for confirmation of the gas type if you are in doubt.

Included in the carton

Customer operation information

IMPORTANT

Before using this product, please read this manual carefully to make sure of proper use of the product:

1 The installation must conform with local codes, or in the absence of local codes, the National Fuel Gas Code, ANSI Z223.1, or the Canadian Installation Code, CAN/CGA -B149.

2 For information on gas type see the data plate on the appliance.

3 This heater must not be installed where curtains or other combustible materials could come into contact with it. In some cases curtains may need restraining.

4 If you move, check the gas type in the area where you are moving to. The local gas authority will be able to advise on local regulations.

5 This heater discharges a large volume of warm air to provide even heat distribution. If the air in the room contains cooking vapor or cigarette smoke, and the heater is used on a carpet, the surface of the carpet may become discolored. In addition, some nylon carpets contain dyes which may be affected by the warm air flow. Some soft vinyl surfaces are also subject to distortion, or discoloration by warm air. To prevent discoloration of carpets, etc., a mat should be placed in front of the appliance, extending about 30” in front of it.

6 This heater must be installed on a hearth at least 2” thick and the width and depth of the heater.

7 Read these rules and the instructions carefully. Check all local codes. Failure to follow these could cause a malfunction of the heater resulting in death, serious bodily injury and/or property damage.

8 This appliance is only for use with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases.

9 WARNING: Any change to this heater or its controls can be dangerous.

10 If a gas leak is suspected, turn heater off, turn gas supply valve off at appliance connector valve. Open windows to ventilate area immediately and contact your dealer or gas company.

11 DO NOT PLACE CLOTHING OR FLAMMABLE MATERIALS, GASOLINE AND OTHER FLAMMABLE VAPORS AND LIQUIDS, ON OR NEAR THE HEATER.

12 Do not spray aerosols when the heater is in operation.

13 YOUNG CHILDREN SHOULD BE CAREFULLY SUPERVISED WHEN THEY ARE IN THE SAME ROOM WITH THE HEATER.

14 LPG containers must not be installed indoors.

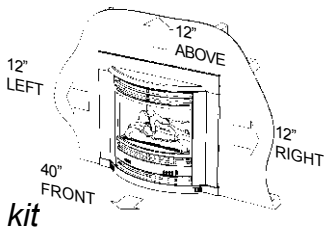
15 Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the room heater and to replace any part of the control system and any gas control which has been under water.

16 Adequate clearances for accessibility for purposes of servicing and proper operation should be provided.

17 Adequate clearances around air openings into the combustion chamber should be provided.

18 Do not install in areas where curtains, drapes, clothing, or other moving flammables are within 15 inches of this unit.

Diagram shows minimum clearances from combustible materials. (Shown in a zero clearance kit installation)



19 Periodic examination of the venting system is required.

20 The flow of combustion and ventilation air should not be obstructed.

21 A manufactured home (USA only) or mobile home OEM installation must conform with the Manufactured Home Construction and Safety Standard, *Title 24CFR, Part 3280*, or, when such a standard is not applicable, the Standard for *Manufactured Home Installations, ANSI/NCSBCS A225.1* or Standard for *Gas Equipped Recreational Vehicles and Mobile Housing, CSA Z240.4.*

22 The appliance and its appliance main gas valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psi (3.5 kPa).

The appliance must be isolated from the gas supply piping system by closing its equipment shutoff valve during any pressure testing of the gas supply piping system at pressures equal to or less than ½ psi (3.5 kPa).

23 The draft hood on the appliance should be installed in the same atmospheric pressure zone as the combustion air inlet to the appliance and shall be located so that the relief opening is accessible for checking vent operation.

24 The appliance, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes, with the *National Electrical Code, ANSI/NFPA 70*, or the *Canadian Electrical Code, CSA C22.1*

25 A gas appliance must not be connected to a chimney flue serving a solid fuel burning appliance.

26 Do not restrict the war air discharge by placing articles in front of heater.

27 This appliance must not be used for any purpose other than heating.

28 Do not allow anyone to post articles through the louvres.

29 Do not allow anyone to sit or lean against the appliance.

30 DUE TO HIGH TEMPERATURES, THE APPLIANCE SHOULD BE LOCATED OUT OF TRAFFIC AND AWAY FROM FURNITURE AND DRAPERIES.

31 CHILDREN AND ADULTS SHOULD BE ALERTED TO THE HAZARDS OF HIGH SURFACE TEMPERATURES AND SHOULD STAY AWAY TO AVOID BURNS OR CLOTHING IGNITION.

32 CLOTHING OR OTHER FLAMMABLE MATERIAL SHOULD NOT BE PLACED ON OR NEAR THE APPLIANCE.

33 INSTALLATION AND REPAIR SHOULD BE DONE BY A QUALIFIED SERVICE PERSON. THE APPLIANCE SHOULD BE INSPECTED BEFORE USE AND AT LEAST ANNUALLY BY A PROFESSIONAL SERVICE PERSON. MORE FREQUENT CLEANING MAY BE REQUIRED DUE TOO EXCESSIVE LINT FROM CARPETING BEDDING MATERIAL, ET CETERA. IT IS IMPERATIVE THAT CONTROL COMPARTMENTS, BURNERS AND CIRCULATING AIR PASSAGEWAYS OF THE APPLIANCE ARE KEPT CLEAN.

34 The glass window shall be replaced as one piece as supplied by the manufacturer. See glass and log installation on page 14

35 Do not substitute glass, glowing embers or logs. Use only glass, glowing embers and logs supplied by manufacturer.

36 Caution: Do not operate unit with broken glass.

37 WARNING: DO NOT OPERATE APPLIANCE WITH THE FRONT REMOVED, CRACKED OR BROKEN. REPLACEMENT OF THE GLASS SHOULD BE DONE BY A LICENSED OR QUALIFIED SERVICE PERSON.

TECHNICAL SPECIFICATIONS

		Natural Gas	Propane
Gas Input Rate:		Btu/hr	Btu/hr
	Pilot:	200	200
		13,000	11,000
	High:	34,000	31,000
Minimum permissible gas supply pressure for purpose of input adjustment		WC	WC
	Min:	7"	10"
	Max:	10.5"	13"

Gas Connection:	3/8" MNPT
Flue Termination:	An approved 4" vent cap must be fitted to all installations
Fan:	90 Watt 2 speed tangential
Combustion System:	Multi port burner
Logs:	Ceramic
Ignition System:	Continuous spark electronic ignition
Operation:	Push button to light pilot and main burners
Safety Devices:	Flame failure thermocouple Over heat Bi-metal strip Fan delay Bi-metal strip
Combustion Method:	Naturally aspirated burner
Flue Type:	B vent
Heat transfer:	Direct radiation and forced convection
Installation Type:	Inbuilt
Flue Requirement:	Manufacturers minimum, 10 ft vertical. *Local codes may have a greater requirement and must be followed*

FOR YOUR SAFETY READ BEFORE OPERATING

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

A This appliance is equipped with an ignition device which automatically ignites the pilot. Do not try to light the pilot by hand.

B. BEFORE OPERATING smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance.
- Do not touch any electrical switch.
- Do not use any phone in your building.
- Immediately call your gas supplier from a neighbour's phone. Follow the gas suppliers instructions.
- If you cannot reach your gas supplier call the fire dept.

C. Use only your hand to push the gas control buttons. Never use tools. If the buttons will not activate by hand, don't try and repair it, call a qualified service technician. Force or attempted repair may result in a fire or an explosion.

D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

OPERATING INSTRUCTIONS

STOP Read the safety information above.

- **To turn the unit on *(Refer to diagram below)***

SETTING	BUTTONS	FAN	BURNER
1. Pilot		Off/Low	
2. Low		Off/Low/High	
3. High		High (Auto)	

Do not attempt to light the pilot by hand.

Wait for five minutes to clear out any gas. Then smell for gas, including near the floor. If you smell gas, STOP! Follow "B" in the safety information. If you don't smell gas, go to the next step.

Press the first control button firmly. This operates the built in safety device and starts the electronic spark.

Visually check the pilot has lit and continue to hold the button for up to 15 seconds.

If the pilot does not remain alight, push the button again and release it. This will return it to the off position. Wait 30 seconds and repeat the ignition procedure.

- **To turn on the heat**

Press the center button, this will ignite the front burner, then press the remaining button to ignite the main burner.

- **To decrease the heat**

Release the last two control buttons in the reverse order.

- **To turn the unit off**

Release all three buttons to the off position.

TO TURN OFF GAS TO APPLIANCE

Place the gas control in the off position (all buttons up / out) and turn off the power at the switch.

Disconnect the electric plug. This will prevent accidental ignition if the gas control valve is operated.

OPERATION

The controls on your new Flame Fire are situated on the lower front right hand side. All necessary adjustments to the operation of your fire can be made with these controls.

- **TO TURN ON THE PILOT**

Press the right hand control button firmly. This operates the built-in safety device and starts the electronic spark. The pilot burner will ignite. Check that the burner has lit and continue to hold the button down for up to 15 seconds. The spark will continue while the button is held down.

If the burner does not remain alight, push the button again and release it. This will return it to the "OFF" position. Wait 30 seconds, then repeat the ignition procedure. (The ignition button must be in the "OFF" position before re-attempting ignition) If, for any reason, the fire goes out during operation wait a minimum of 3 minutes before attempting to relight.

- **TO TURN ON THE HEAT**

Press the control buttons in order from right to left, this will ignite additional burners as shown in the diagram. There is no need to hold the when increasing the heat.

- **TO DECREASE THE HEAT**

This is done by releasing the control buttons in order from left to right.

- **TO TURN THE UNIT OFF**

Press and release the buttons in order from left to right until all 3 buttons are in the "OFF" (out) position.

Ensure all burners are extinguished.

- **FAN OPERATION**

On the LOW fire settings, the fan can be operated on the LOW speed or OFF.

On the HIGH fire setting the fan runs automatically on HIGH speed.

- **NOTE:** When the fire is turned on, there will be a delay in the operation of the fan. This ensures that a cold draft does not occur while the fire is warming up.

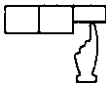
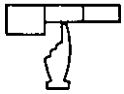
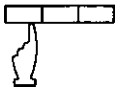
When the fire is turned off, the fan will continue to run until the fire has cooled down.

- **POWER FAILURE**

Your unit can be used on the low setting during a power failure. However, if switched off, it cannot be relit unless power is available. The appliance is protected by an overheat switch, and may cut out if used on the HIGH setting.

- **TO TURN OFF GAS TO APPLIANCE**

Turn off the appliance by operating the on/off button and turn off the power at the wall switch. Disconnect the electric plug. This will isolate the supply and prevent the solenoid valve from opening.

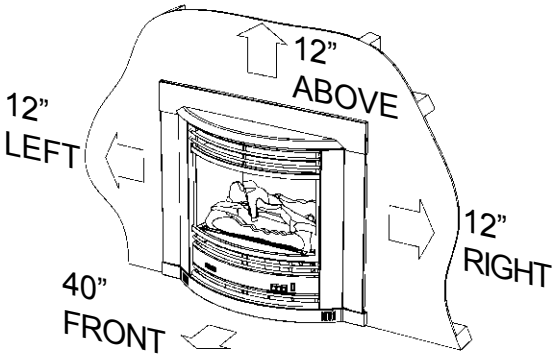
SETTING	BUTTONS	FAN	BURNER PATTERN
1. Pilot		Off/Low	
2. Low		Off/Low/High	
3. High		High (Auto)	

LOCATION

When positioning the heater, the main points governing the location are:

1. Flue connection and proper venting
2. Warm air distribution.
3. Adequate air supply.
4. The heater must not be installed where curtains or other combustible materials could come into contact with it. In some cases, curtains may need restraining.

   See below for minimum clearances required.

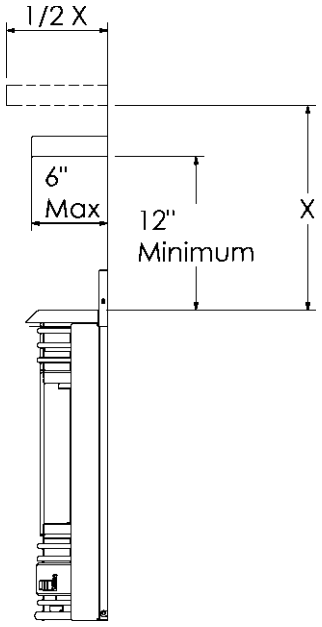


5. The heater is not designed to be built into bookcases or shelves or any combustible opening.
6. Check that room ventilation complies with local regulations.
7. This heater must be mounted on a hearth not less than 2” thick and at least the width and depth of the heater.
8. Installation location shall provide adequate combustion and ventilation air.
9. A gas appliance must not be connected to a chimney flue serving a separate solid-fuel burning appliance.
10. Before installing the heater, inspect the chimney, flue piping and/or solid fuel burning fire place and remove any combustible materials.
11. A zero clearance kit is available from your gas appliance retailer.

- **Mantles**

A mantle is allowable providing that it is outside the minimum clearances and the distance it protrudes is no more than half the distance it is above the heater.

See diagram below



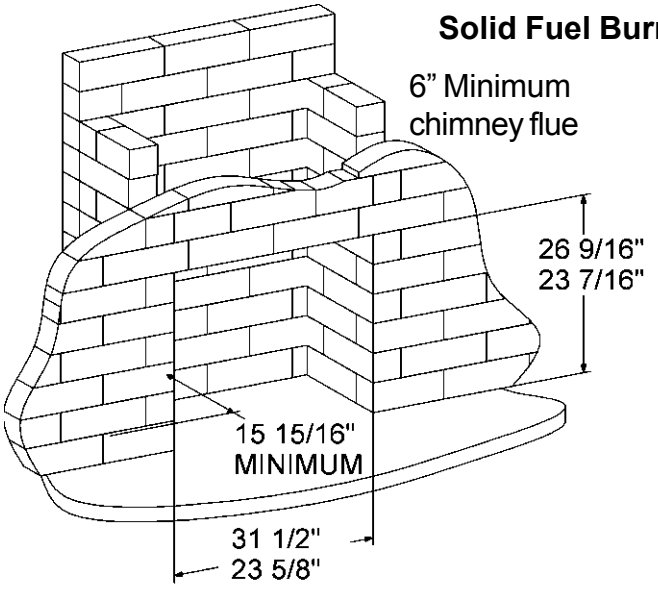
- **Fireplace dimensions**

There are two types of installation that may be used with this heater.

- Non-combustible (masonry, brick etc.) fire place.
- Zero clearance kit installation, for installation in combustible materials.

In each case there are minimum and maximum dimension that the fire place or opening must fall within, as shown in these diagrams.

Solid Fuel Burning Fireplace



For a non-combustible fire place, the hearth must be not less than 2” thick and at least the width and depth of the heater. The base where the heater is to sit must be flat with no protrusions that could damage the base of the heater.

This may require a sheet of non-combustible material to be laid under the heater or a layer of cement to be poured on the hearth.

The fireplace flue damper can be fully blocked open or removed for installation of the gas fireplace insert.

The fireplace and fireplace chimney must be clean and in good working order and constructed of non-combustible materials.

Make sure that chimney cleanouts fit properly.

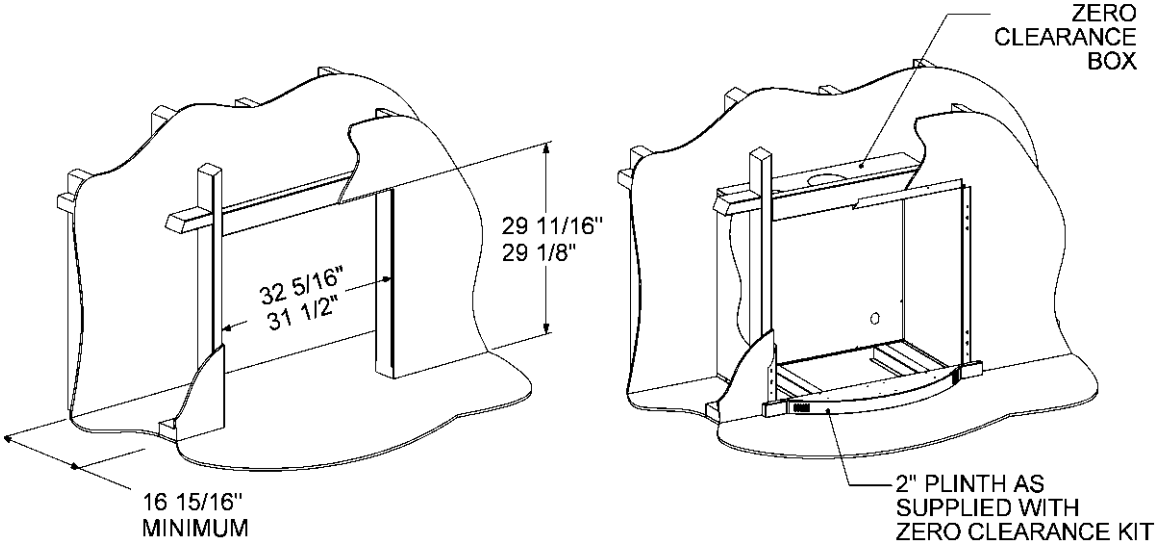
Refractory, glass doors, screen rails, screen mesh and log grates can be removed from the fireplace before installing the gas fireplace insert.

Smoke shelves, shields and baffles may be removed if attached by mechanical fasteners.

Combustible installation

For combustible installations a zero clearance kit must be used.

Cutting any sheet metal parts of the fireplace, in which the gas fireplace insert is to be installed is prohibited.



VENTING

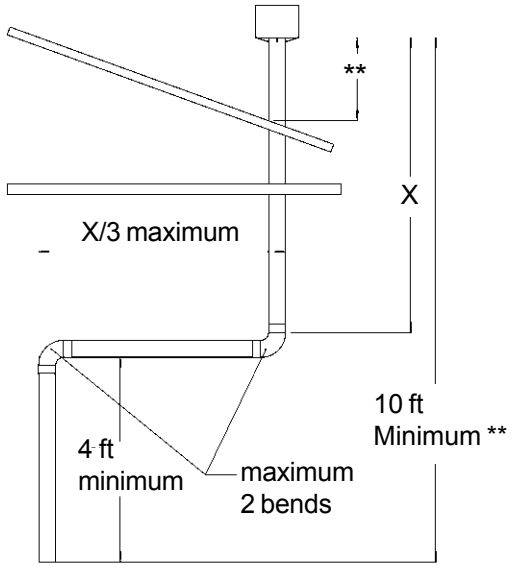
Use only an approved B vent system.

An approved chimney liner must be used.

It is recommended that the flue be installed vertically only. If installation prevents this then there must be at least 4 feet of vertical flue before any bends. The flue must not fall below horizontal at any stage. There must not be more than 2 bends in any system. Any horizontal section of flue must be less than 1/3 the length of vertical flue which follows it.

See diagram

An approved B vent system must be attached by mechanical means to the flue spigot and sealed using an approved high temperature sealant.



** Refer to local codes for other minimum requirements.

GAS CONNECTION

- **RUN GAS SUPPLY**

For pipe sizing, refer to your local gas installation codes.

- **PURGE SUPPLY OF AIR AND DEBRIS**

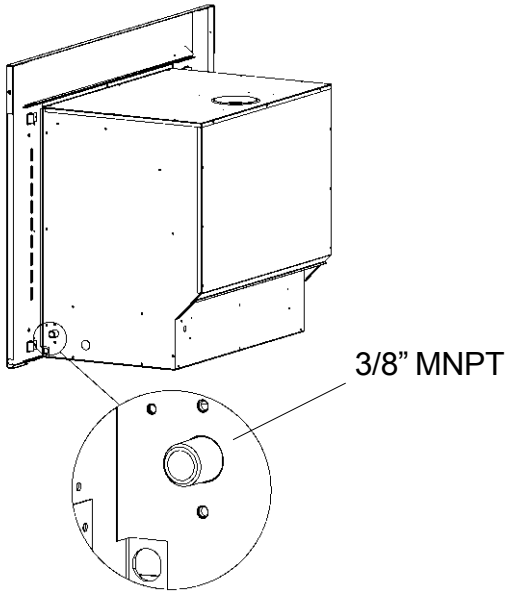
All foreign materials such as filings must be purged from the gas supply, as they may cause the gas valve to malfunction.

A means to measure the gas pressure immediately upstream of the supply connection to the appliance shall be provided by the installer.

Connect and tighten union.

On completion of work, check for gas leaks.

Use a soapy solution on all gas connections. Leaks will be visible when the soapy solution forms bubbles. When finished wipe soapy solution with rag to remove residue.



ELECTRICAL CONNECTION

There is a junction box provided at the front of the heater for the electrical connection.

WARNING: This appliance must be properly grounded for your protection against shock hazard.

Connecting the power supply:

Refer to the diagram opposite,

1 Open the side doors.

2 Loosen the screws holding the front panel in place.

3 Remove the front panel by sliding to one side to release it and then sliding back again to release the other end. Take care not to place strain on the wires from the heater to the fan switch on the front panel.

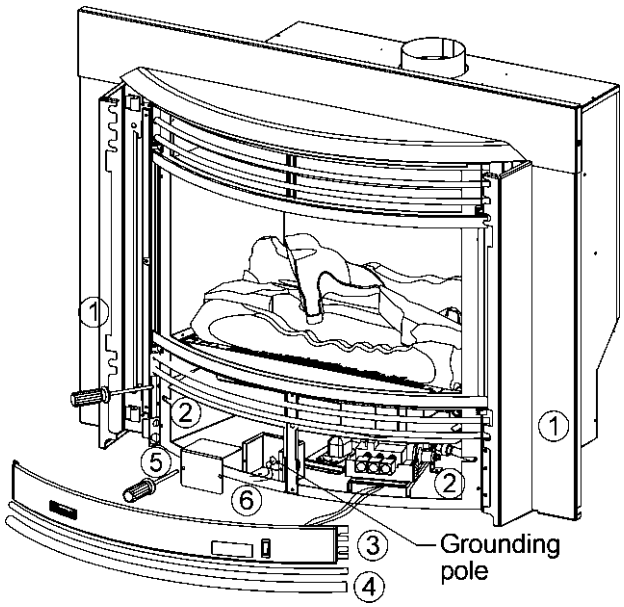
4 Remove the two lowest louvres from the heater by sliding to one side to release the end and then sliding back again to release the louvre completely.

5 Remove the two screws holding the front cover of the junction box in place and remove the cover. A hole is provided on the right hand side of the junction box for a suitable electrical gland to be attached and the electrical supply to pass through.

6 There are two wires (one black, one white) that have been partially bared inside the box and a grounding (earth) pole with a green wire attached. It is important that the power supply is connected to the correct wires and that the appliance is properly grounded by attaching a ground connection to the grounding pole.

Black wire = Hot (115V AC 60Hz)

White wire = Neutral



7 Once all three connections have been made, make sure that all connections are safe and that the power connections cannot come into contact with the appliance casing.

Replace the cover on the junction box and reassemble the heater in the opposite order.

Take care not to trap or damage any wires when reassembling the appliance.

WARNING: Failure to properly ground this appliance with affect its operation and may cause damage to the appliance or personal injury.

LOG INSTALLATION

The logset is packed inside the unit and the packaging must be removed prior to installing the logset in its correct position.

- Open both side panels.
- Remove fasteners on both sides of the top glass retainer.
- Lift retainer away from unit.
- Loosen screws on bottom glass retainer.
- Carefully lift glass out of bottom channel.
- Carefully remove log packaging.

The logset has two holes underneath for location onto the pins inside the unit.

Place the logset into the unit ensuring that the locating pins enter the two locating holes on the bottom face of the logset.

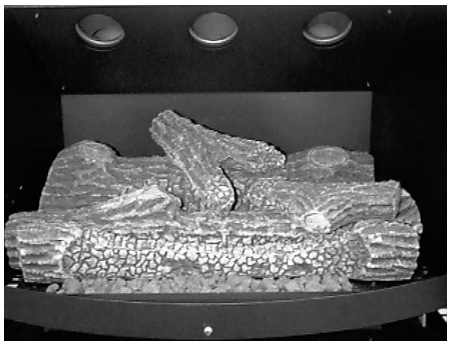
Gently place loose ember bed material in front of the front log only. Do not pour as dust particles from the plastic bag may block the burner ports.

Level it with a pencil or screwdriver and remove excess material. Note: The ember bed material must be placed after the logs are fitted. If the logs are to be removed for any reason, the ember bed material must be removed first and replaced after the logs are refitted. Any material that prevents the logs sitting flat on the burner top can upset the burning pattern and performance of the heater.

- Replace glass and top glass retainer, tighten bottom glass retainer screws.

Note: Fit glass so that the joint in the glass seal is at the bottom.

- Take care not to damage seals.
- Reinstall side panels.



WARNING: Failure to position the parts in accordance with these diagrams or failure to use only parts specifically approved with this appliance may result in property damage or personal injury.

Note: When first lighting the heater, the logs need to be burnt in, which may take approximately 2 hours. The flame color may change after the initial burning in period.

TESTING AND COMMISSIONING

TESTING PROCEDURE

Turn gas supply on and plug the unit into the power supply. (Caution 115V)

TO CHECK BURNER PRESSURE

- Refer to Rating Plate.
- Remove the wiring cover panel.
- Remove test point plug and attach manometer to test point.

  The test point is on the front injector block.
- Light heater, turn to High heat setting and check pressure.
- If adjustments are necessary, the regulator is situated on the front of the gas control.
- After checking pressure, turn the unit off, remove manometer and replace test point plug.
- Turn the heater on and off a few times to check ignition.
- When you are satisfied that the heater is working correctly, reassemble panels.
- All burner aeration is factory preset and cannot be adjusted.
- If you are unable to get the unit to operate correctly, refer to Troubleshooting on Page 18, before contacting your local service contact as listed on Page 3.
- It may take approximately 2 hours for the logs to achieve their full flame pattern and glow.
- **During the initial burning in period, some smoke and smell may be experienced. The heater should be run on the high position in a well ventilated room until these dissipate.**

It is the responsibility of the installer to check that under normal operating conditions of the appliance, all flue gases are exhausted to the outside atmosphere and that there is no spillage of combustion gases into the room.

COMMISSIONING

INSTALLATION AND COMMISSIONING CHECKLIST

Complete the installation checklist and the installer details on page 23 and make sure that this instruction book is left with the customer.

INSTRUCT CUSTOMER ON USE OF UNIT

Explain to customer about use and care of unit. Make sure the customer understands the instructions.

EXPLAIN

Ignition, Adjusting heat level, Fan Switch, Turning “OFF”.

NOTE:

THE MANUFACTURE RESERVES THE RIGHT TO CHANGE OR MODIFY SPECIFICATIONS WITHOUT NOTICE

MAINTENANCE INSTRUCTIONS

IMPORTANT MAINTENANCE INSTRUCTIONS

ANNUAL INSPECTION

The unit should be inspected at least once per year by a qualified service technician including inspection of the flue system.

The appliance area must be kept clear and free from combustible materials, gasoline and other flammable vapors and liquids.

- **CLEANING INSTRUCTIONS.**

Before cleaning, make sure the electrical power and gas are turned off and that the unit has cooled down.

WARNING: Do not clean the glass or unit when hot.

Do not remove any internal wiring covers.

Do not use abrasive cleaners.

Do not use solvent based cleaners.

- **OUTER CASE**

The outer case of the fire place should be cleaned with a soft, damp cloth.

Do not use aerosol polishes to clean the casing while the fire is in operation.

Do not damage or distort any part of the heater.

Do not use wet cloth or spray cleaners on burners

- **VENT MAINTENANCE**

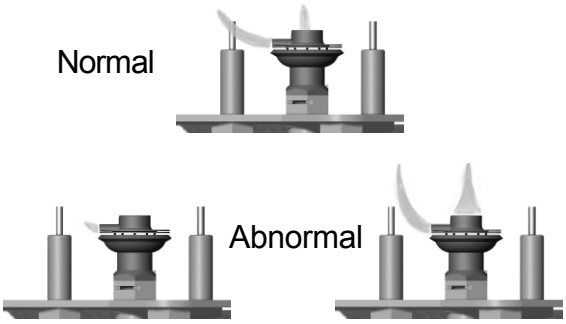
The flue should be inspected annually for blockages and signs of damage.

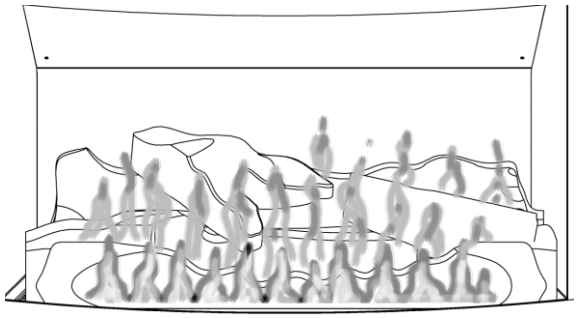
- **VISUAL INSPECTION OF FLAME**

Check that the pilot and burner flames are operating normally.

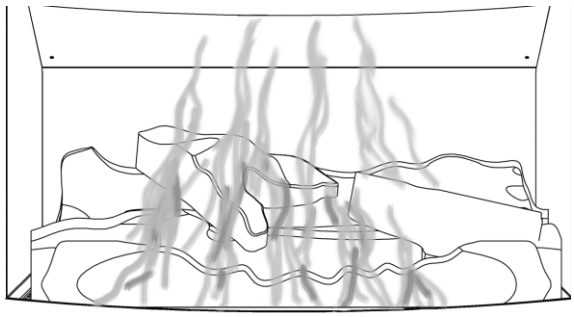
If the flames appear either very short or very long and streaky or are producing smoke or soot deposits then there may be a problem with the heater or the gas supply.

A heater should not be used if you suspect there may be a problem, and a service agent must be called to investigate the cause of the problem.





Normal



Abnormal

The main burners are designed to produce some yellow flame but should not produce smoke or excessive soot.

NOTE: The flames may take up to 15 minutes to settle from ignition when heater is cold.

- **ELECTRIC MOTOR MAINTENANCE**

Motors are permanently lubricated and need no lubrication.

Keep fan and motor free of dust and dirt, clean annually.

The heater should be serviced annually only by an authorised person.

- **GLASS REPLACEMENT AND CLEANING.** (May be performed by the owner)

It is best to handle the glass with clean gloves to avoid smearing the glass with finger prints which might show after replacement.

Refer diagram opposite

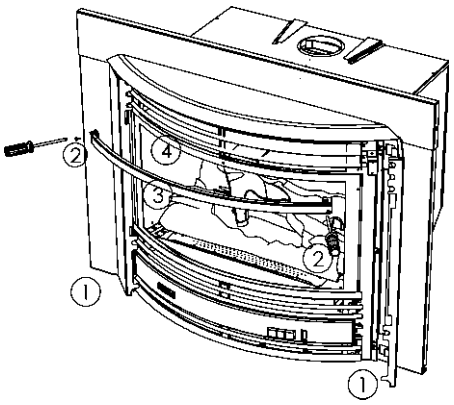
Open the side panels.(1) Access can now be obtained to the two top glass retaining screws.(2)

Gently lift the retaining trim away from the glass.(3)

Carefully lift the glass out of the bottom retaining channel, taking care not to damage the fiber seal on the perimeter of the glass.(4)

The glass may be cleaned with a damp sponge and soapy water. If the seal is damaged it should be replaced. Remove any soot deposit from the log set with a soft brush and a vacuum cleaner. Soot deposit may indicate that the flue is not drawing properly. Check the flue for correct operation.

It is best to handle the glass with clean gloves to avoid smearing the glass with finger prints which might show after replacement.



NOTE:

When replacing the glass make sure that the joint of the fiber seal is at the bottom of the glass.

- **BURNERS**

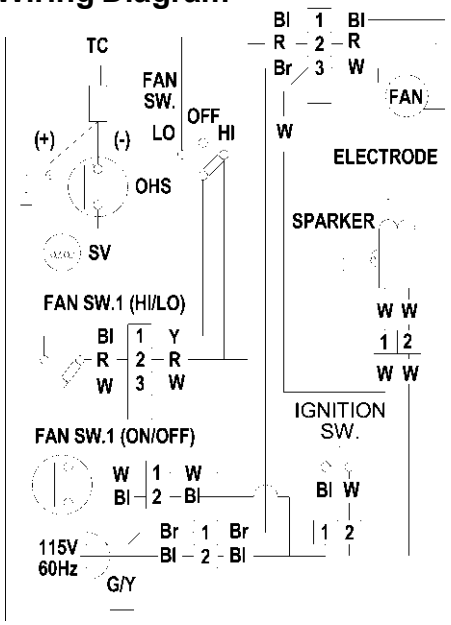
Due to the design of the burners in this heater, they do not require cleaning by the owner. The burners should be cleaned once a year by a qualified service agent.

- **FAN**

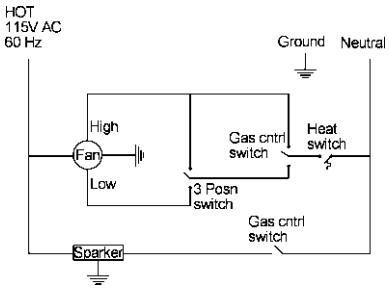
NOTE: The fan has a permanently lubricated bearing. DO NOT OIL.

WIRING DIAGRAM

Wiring Diagram



Wiring Diagram Ladder



Caution: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation.

Verify proper operation after servicing.

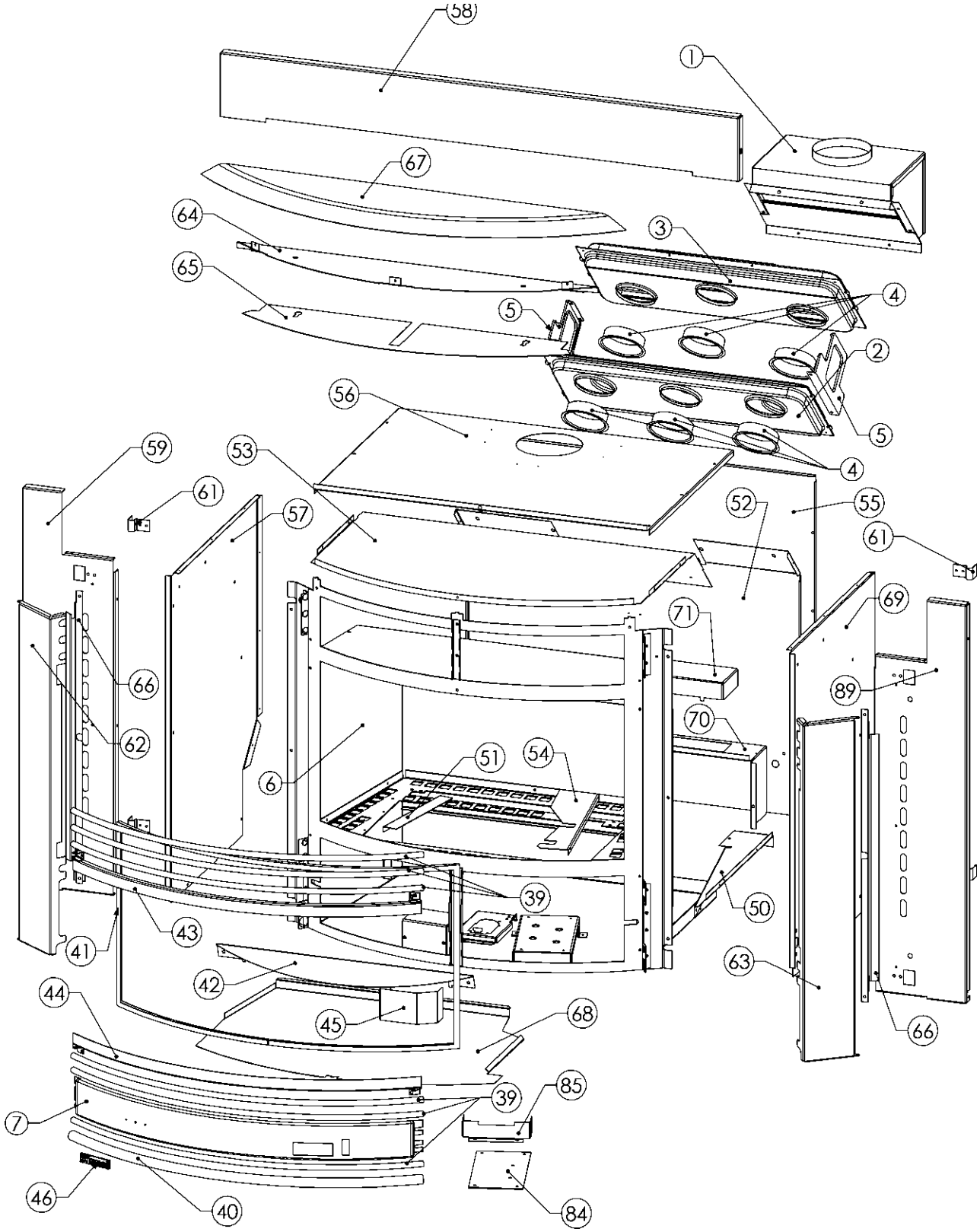
TROUBLE SHOOTING

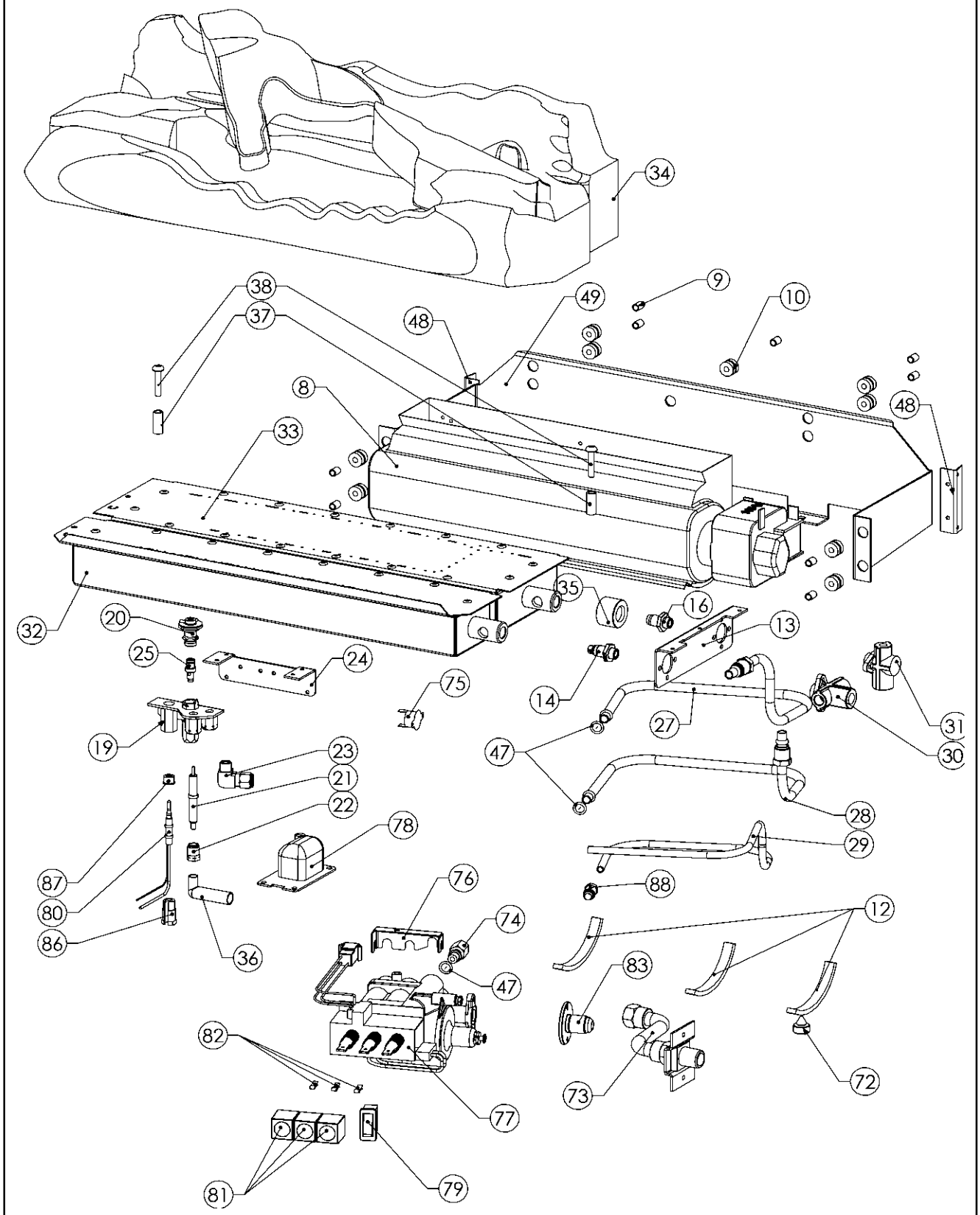
SYMPTOM	CAUSE	SOLUTION
Burner will not light	No power present	Ensure power cord is plugged in and turned on
	No gas present	Ensure gas supply is turned on
	power cut	Re-ignite after power is restored
	Air in gas pipe	Purge air (installer)
	Ignition failure	Repeat lighting procedure
Smell of gas	Leaking gas	Turn gas off at meter and call installer
Fan not working	Heat switch not activated	Allow fire to run on HIGH for 15 minutes minimum
	Fan not turned on	Ensure appliance fan switch is in ON position
Small soot deposit	Normal operation	No action required
Soot deposit forming on glass or logs	Inadequate flue system Log misalignment Incorrect gas pressure	Call service department/agent
Condensation on glass	Normal operation	Allow fire to warm up
Streaky lines on glass	Normal operation	Remove and clean glass

NOTE:

If you have any other faults or problems, please refer to your **Installer** or local qualified service agency

EXPLODED DIAGRAMS

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PARTS LIST

ITEM NO.	QTY.	PART NO.	DESCRIPTION	
1	1	7993-1	FLUE SPIGOT ASSY NAT IB USA	
2	1	7074	HEAT EXCHANGER FRONT ASSY 3+3H	
3	1	7075	HEAT EXCHANGER REAR ASSY 3H	
4	6	6624	BURNER EXCHANGER TRANSFER TUBE	
5	2	6625	BURNER HEAT EXCHANGER BRACKET	
6	1	7997	COMB CHAMB ASSY IBR US PAINTED	
7	1	7195V	FRONT PANEL PAINTED VIPER IBR	
8	1	7141	FAN QLN65/0030-3038LH MVL 110V	
9	9	7130	FAN MTG SLEEVE	
10	9	7129	FAN MTG GROMMET	
11	9	9028	SCREW 8X5/8 MUSH HEAD 33611923	
12	3	6651	CUSHION RUBBER REH210	
13	1	7950	INJECTOR BLOCK BRKT FRONT MKII	
14	1	7182	INJECTOR BRAY 420 CAT33 MULTI	NG
	1	7175	INJECTOR BRAY 120 CAT23 SINGLE	LP
16	1	7341	INJECTOR BRAY 600 CAT33 MULTI	NG
	1	7183	INJECTOR BRAY 200 CAT33 MULTI	LP
18	4	9064	SCREW M4 X 8 PHPMZ SPRINGWASH	
19	1	7870	PILOT BODY TOP CONVERTIBLE	
20	1	7871	PILOT CONVERTIBLE HOOD 2 FLAME	
21	1	7875	ELECTRODE	
22	1	7876	ELECTRODE NUT (S.I.T)	
23	1	7986	ELBOW 6mmx1/8"BSPT BFM690602	
24	1	7904	PILOT BRACKET FRONT USA	
25	1	7873	INJECTOR LPG 31	NG
	1	7872	INJECTOR NG 51	LP
27	1	7937	GAS SUPPLY TUBE A IBMAN	
28	1	7938	GAS SUPPLY TUBE B IBMAN	
29	1	7948	PILOT TUBE IBMAN US	
30	1	7955	INJECTOR BLOCK A+B+D	
31	1	7952	INJECTOR BLOCK A+B	
32	1	7924	FRONT BURNER US ASSY PAINTED	
33	1	4990	MAIN BURNER NG/LPG USA FLAME	
34	1	7044	CERAMIC LOG SET c/w GRANULES	
35	1	7258	AERATION SLEEVE SHORT	
36	1	7564	ELECTRODE SLEEVE	
37	2	7240	LOG LOCATING SLEEVE	
38	2	9115	SCREW M5 X 25 PHSMZ PHIL	
39	6	7029	LOUVRE TUBE FS 9.5 GOLD	
40	1	7099	LOUVRE TUBE RD 15.8 GOLD	
41	1	4996	GLASS PANEL ASSY IB/FS35	
42	1	7004	BURNER DIVERT PANEL PTD ETR	
43	1	7033	GLASS RET TOP ASSY PAINTED	
44	1	7037	GLASS RET BOTTOM ASSY PAINTED	
45	1	7920	FRONT PILOT SHIELD USA PAINTED	
46	1	5327G	BRAND BADGE GOLD	
47	3	6642	O RING REH210	
48	2	7288	FAN MOUNTING BRACKET IBR	
49	1	7072	FAN MTG PANEL IBR	
50	1	7202	FAN PARTITION PANEL LOWER IBR	
51	1	7220	FAN DIVIDING PANEL BRKT IB	
52	1	7858	FAN PARTITION PANEL IBR ETR US	
53	1	7208	FAN GUIDE TOP PAINTED IBR	
54	1	7981	FAN DIVIDING BRKT.IB MAN USA	

55	1	7989	REAR PANEL IBR USA	
56	1	7197	REAR TOP PANEL IBR	
57	1	7198	REAR SIDE PANEL LH IBR	
58	1	7190V	SURR TOP PANEL IBR VIPER	
59	1	7191V	SURROUND LEFT HAND IBR VIPER	
60	1	7192V	SURROUND RIGHT HAND IBR VIPER	
61	4	7177	DOOR SPRING IBR	
62	1	7193V	DOOR LH IBR VIPER	
63	1	7194V	DOOR RH IBR VIPER	
64	1	7227	AIR GUIDE TOP IBR	
65	1	7228	FRONT TRIM PAINTED IBR	
66	2	7285	OVERTEMP CABLE COVER PAINT IBR	
67	1	7189V	TOP PANEL ASSY IBR VIPER	
68	1	7999	FAN DIVIDING PANEL IBR MK2	
69	1	7857	FAN PARTITION PANL DGREASE USA	
70	1	7221	FAN DISCHARGE GUIDE IBR	
71	1	7222	FAN DISCHARGE GUIDE SHROUD IBR	
72	1	7294	ANTI RATTLE BUTTON	
73	1	7855	FLEXTUBE PANEL MOUNT ASSY USA	
74	1	7984	PILOT ADAPTOR MAN USA	
75	1	6635	FAN SWITCH R210	
76	1	6643	MAIN GAS TUBE RETAINER (3)	
77	1	4995	GAS CONTROL ASSY FLAMEFIRES	
78	1	6917	SPARKER UCH/EC	
79	1	7089	FAN SWITCH FLAME 3 POSITION	
80	1	7118	THERMOCOUPLE ASSY FLAMEFIRES	
81	3	6617G	CONTROL BUTTON BLK REH241	
82	3	6618	BUTTON SPRING UCH/EC	
83	1	7856	GAS CONTROLLER INLET IBR US	
84	1	7023	CONTROL BRKT	
85	1	7152	WIRING COVER PAINTED IBR	
86	1	7901	THERMOCOUPLE NUT	
87	1	7903	SPACER THERMOCOUPLE PILOT	
88	1	7519	OLIVE 6MM	

INSTALLATION NOTES

INSTALLATION / COMMISSIONING CHECKLIST

	NO	YES
1. Was a fireplace inspection carried out? (i.e. clearances, combustibles etc.)	☐	☐
2. Was a manufactured flue system installed?	☐	☐
3. Has specified gas pressure been set?	☐	☐
4. Are decorative logs located correctly on pins?	☐	☐
5. Have ember granules been placed and free of dust and powder?	☐	☐
6. Has appliance been sealed around the fireplace?	☐	☐
7. Has the appliance been test fired for correct operation (All burners light without delay)	☐	☐
8. Is the end-user fully aware of operating procedure?	☐	☐

INSTALLER DETAILS

Company name: _____

Installers name: _____

Address: _____

_____

Phone: _____ Mobile: _____

Permit number for installation:_____

Signed: _____ Date: _____

Rinnai

Part Number 7918